Title (en)

Assembly method for induction rotors

Title (de)

Montageverfahren für Induktionsrotoren

Title (fr)

Procédé d'assemblage pour rotors à induction

Publication

EP 2660957 A3 20150506 (EN)

Application

EP 13164199 A 20130417

Priority

US 201213461506 A 20120501

Abstract (en)

[origin: EP2660957A2] A method of assembling an induction rotor includes inserting a plurality of conductor bars into a stack of disks whereby distal ends of the conductor bars project from respective axial ends of the stack, placing first and second end rings onto the respective axial ends of the stack so that the ends of the conductor bars fit into slots in the respective end rings, and compressing the slots against the conductor bars by impacting at least one of the end rings. The method may include selectively adjusting an amount of end ring material being compressed by varying heights of respective areas of a top surface of the end ring and/or selectively adjusting an amount of end ring material being compressed by varying heights of respective areas of an impacting surface.

IPC 8 full level

H02K 15/00 (2006.01)

CPC (source: EP KR US)

H02K 15/0012 (2013.01 - EP US); **H02K 15/02** (2013.01 - KR); Y10T 29/49009 (2015.01 - EP US); Y10T 29/49012 (2015.01 - EP US); Y10T 29/53143 (2015.01 - EP US)

Citation (search report)

- [XAY] US 2011074240 A1 20110331 - HIRAMATSU HIROMICHI [JP], et al
- [Y] JP H1098858 A 19980414 - HITACHI LTD

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CN107666221A; EP3840194A1; TWI673941B; WO2021121696A1; WO2019228951A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2660957 A2 20131106; **EP 2660957 A3 20150506**; CN 103384104 A 20131106; KR 20130122919 A 20131111; US 2013291372 A1 20131107; US 8720041 B2 20140513

DOCDB simple family (application)

EP 13164199 A 20130417; CN 201310154362 A 20130428; KR 20130048260 A 20130430; US 201213461506 A 20120501